

IN THE SPECIFICATION

Replace the paragraph beginning at page 1, line 4, with:

A1

The present invention relates to a flat motor used as a silent alarm source in a mobile communications apparatus, and more particularly, to a non-circular, flat motor in which terminal portions are installed in dead space.

Replace the paragraph beginning at page 1, line 12, with:

A2

A conventional cylinder type vibration motor having a diameter of 4 mm is currently being widely used. However, since the vibration motor is mounted using a holder, the actual diameter thereof becomes 5 mm, which has not kept pace with the ongoing trend in miniaturizing portable apparatus. Furthermore, the vibration motor is a narrow cylinder so that sufficient space in a radial direction for an eccentric weight installed at an output shaft cannot be secured, resulting in weak vibrations. In comparison, a flat motor having a thickness of 3 mm can be easily obtained. Also, a large space in a radial direction can be obtained. The conventional flat vibration motor is shown in FIG. 12.

Replace the paragraph beginning at page 2, line 1, with:

A3

With a recent trend in small and light mobile communication apparatus, electric parts mounted thereon must be small and light and there is a need for parts that can be reflow soldered, a type of soldering used in automation of an assembly process. However, in the case of an apparatus using an electric part having a magnet, such as the flat motor, the magnet thermally deteriorates due to the high temperature during the process of reflow soldering. Also, it is difficult to hold the conventional motor, which is circular when viewed in a plane, with a transferring apparatus and the flexible sheet is very likely to be damaged when it is automatically mounted.

Replace the paragraph beginning at page 5, line 25, with:

A4
FIG. 2 is a sectional view of a brushless type non-circular flat vibration motor according to a preferred embodiment of the present invention, taken along line II-II of FIG. 1;

Replace the paragraph beginning at page 6, line 3, with:

A5
FIG. 5B is a side view of the motor of FIG. 5A viewed from the side indicated by arrow A;

Replace the paragraph beginning at page 6, line 7, with:

A6
FIG. 6B is a side view of the motor of FIG. 6A viewed from the side indicated by arrow B;

Replace the paragraph beginning at page 6, line 11, with:

A7
FIG. 8 is a cross sectional view of the coreless type non-circular flat vibration motor of FIG. 7 taken along line VIII-VIII of FIG. 7;

Replace the paragraph beginning at page 7, line 12, with:

A8
FIG. 2 shows a cross section of a square-shaped, axially gapped, brushless type flat motor, taken along line II-II of FIG. 1. That is, a shaft core 1a protrudes from the center of a metal stator base 1 to which a printed circuit board is attached, and the shaft core 1a is coated with slippery resin to form a resin coated, fixed shaft 1S. A core holder 2 is integrally formed of the same resin slightly further out in the axial direction from the resin coated, fixed shaft 1S. A stator core 4 made by winding an armature coil 3 around a plurality of salient poles is welded to the core holder 2.